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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No.	00-148
First Inventor or Application Identifier	Christer Almqvist
Title	AN ARRANGEMENT IN ACOUSTIC HEADSE
Express Mail Label No.	E L394339147 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Specification [Total Pages 6]
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3.  Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
4. Oath or Declaration [Total Pages 5]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 17 completed)  
*[Note Box 5 below]*
    - i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
5.  Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

6.  Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Copy
  - b.  Paper Copy (identical to computer copy)
  - c.  Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

8.  Assignment Papers (cover sheet & document(s))
9.  37 C.F.R. § 3.73(b) Statement  
(when there is an assignee)  Power of Attorney
10.  English Translation Document (if applicable)
11.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
12.  Preliminary Amendment
13.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14.  Small Entity Statement(s)  Statement filed in prior application, (PTO/SB/09-12) Status still proper and desired
15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16.  Other: .....

\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment

Continuation  Divisional  Continuation-in-part (CIP) of prior application No: PCT/SE98/01459

Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

## 18. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	(Insert Customer No. or Attach bar code label here)				
Name	Gregory P. LaPointe				
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Country	United States	Telephone	(203) 777-6628	Fax	(203) 789-0582

Name (Print/Type)	Gregory P. LaPointe	Registration No. (Attorney/Agent)	28,395
Signature		Date	02-07-00

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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February 7, 2000

on (Date of Deposit)

Rachel Piscitelli

Name and Reg. No. of Attorney

Rachel Piscitelli -

Date of Signature

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Christer Almqvist Docket No.: 00-148  
Serial No.: Examiner :  
Filed : Art Unit :  
PCT No. : PCT/SE98/01459  
IFD : August 12, 1998  
For : AN ARRANGEMENT IN ACOUSTIC HEADSETS

Suite 1201  
900 Chapel Street  
New Haven, CT 06510-2802

PRELIMINARY AMENDMENT

Hon. Commissioner of Patents & Trademarks  
United States Patent & Trademark Office  
Washington, D.C. 20231

Dear Sir:

In the above-identified application for United States patent,  
please amend as follows.

IN THE SPECIFICATION

Please amend the specification as follows.

Page 1 after the title and before "TECHNICAL FIELD" insert the  
following:

--CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation of co-pending International  
Application No. PCT/SE98/01459 filed August 12, 1998 which designated  
the United States.--

IN THE ABSTRACT

Please add the following Abstract as a separate page after the claims:

--ABSTRACT

The disclosure relates to an arrangement in hearing protection, in the form of an acoustic headset, comprising a first auditory cup (10), a second auditory cup (11) and a stirrup or headband (12) interconnecting the auditory cups (10, 11), a microphone (13) being provided for receiving ambient sound and an electronic control unit (15) actuatable by means of a button set (14) being provided for transmitting sound from the microphone (13) and a radio unit (16) by the intermediary of loudspeakers (17) in the auditory cups (10, 11). The button set (14) comprises a plurality of associated buttons (18, 18', 19, 19', 20, 20', 21, 22) arranged in groups, and each group of buttons being disposed, for actuation by the wearer's fingers, in a separate depression or recess (23, 24, 25, 26) in the first auditory cup (10).--

REMARKS

The specification has been amended so as to cross-reference related International Application No. PCT/SE98/01459 and an Abstract has been added to conform with U.S. Practice. An early action on the merits is respectfully requested.

If any fees are required in connection with this case, it is respectfully requested that they be charged to Deposit Account No. 02-0184.

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231

on February 7, 2000

(Date of Deposit)

Rachel Piscitelli

Name and Reg. No. of Attorney

Rachel Piscitelli

(Signature)

2/7/00

Date of Signature

Date: February 7, 2000

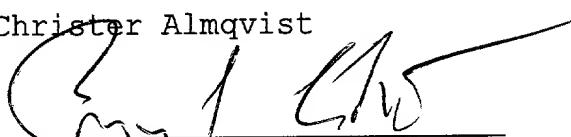
Express Mail No.

EL394339147US

Respectfully submitted,

Christie Almqvist

By

  
Gregory P. LaPointe  
Attorney for Applicant  
Telephone - (203) 777-6628

## AN ARRANGEMENT IN ACOUSTIC HEADSETS

### TECHNICAL FIELD

The present invention relates to an arrangement in hearing protection in the form of an acoustic headset, comprising a first auditory cup, a second auditory cup and a headband interconnecting the auditory cups, a microphone being provided for receiving ambient sound, and an electronic control unit actuatable by a button set being provided for transmitting sound from the microphone and a radio unit by the intermediary of loudspeakers in the auditory cups.

### BACKGROUND ART

Hearing protection in the form of two cups interconnected by a headband or stirrup or the like have long been employed. As electronic equipment has assumed steadily smaller dimensions, various electronic functions have also been integrated into the hearing protection. For example, it is a common occurrence that such hearing protection includes a radio, both some form of message radio and a broadcasting radio, for example on the FM wavelength. The radio sound is transmitted by the intermediary of loudspeakers integrated in the hearing protection headset.

Hearing protection systems have also been developed which include electronic amplification of the ambient sound. Reception of ambient sound is effected by means of microphones and the sound may be amplified or damped, respectively, by electronic means before being transmitted to the wearer of the headset via loudspeakers.

In a working environment at a steadily increasing tempo, the demands on protective equipment and the like have been raised. For example, it is important that hearing protection be employed in the correct manner, such that safety is not impaired. However, improvements to safety must not be put into effect at the expense of user friendliness.

### OUTLINE OF THE INVENTION

One object of the present invention is to realise hearing protection of the above-described type, in which user friendliness has been developed at the same time as safety has been improved. This object is

attained in that the present invention has been given the characterizing features as set forth in appended Claim 1.

Further advantages and characterizing features of the present invention will be apparent from the appended description, Drawings and 5 appended subclaims.

#### BRIEF DESCRIPTION OF THE ACCOMPANYING DRAWINGS

The present invention will now be described in greater detail hereinbelow, with the aid of various embodiments and with reference to 10 the accompanying Drawings, in which:

Fig 1 is a perspective view of one embodiment of an arrangement according to the present invention, with two auditory cups;

Fig. 2 is a block diagram illustration functional blocks in an electronic unit associated with the arrangement according to Fig. 1;

15 Fig. 3 is a side elevation of a first auditory cup in the arrangement of Fig. 1; and

Fig. 4 is a side elevation of a second auditory cup in the arrangement of Fig. 1.

#### 20 DESCRIPTION OF PREFERRED EMBODIMENTS

In the embodiment according to Fig. 1, a first auditory cup 10 is connected to a second auditory cup 11 by means of a stirrup or headband 12 in a conventional manner. The first auditory cup 10 includes a button set 14 with a plurality of buttons 18, 18'; 19, 19'; 20, 20'; 21; 22 arranged in 25 groups with associated buttons. The various buttons are connected to a control unit 15 (see Fig. 2). Each group of buttons is disposed in depressions 23, 24, 25, 26 in an arched outer side of the first auditory cup 10. Fig. 1 also shows an antenna 27 which is employed for receiving radio signals. A more detailed description of the function of the various buttons 30 is given below with reference to Fig. 2.

The auditory cups 10, 11 are provided with cushions 28 which are intended to abut around the ears of the wearer of the headset. The cushions 28 contribute in the capability of the auditory cups substantially entirely to damp the immediate ambient sound. Within the auditory cups 35 10, 11, loudspeaker elements 17 are provided so that sound which is

transmitted electronically according to the following description may be perceived by the wearer.

As will be apparent from Fig. 2, the button set 14 and the buttons included therein are connected to the control unit 15. Using a first group of buttons 18, 18', the wearer of the headset arrangement according to the present invention can influence the balance of the output signal between different sound sources. A first sound source includes a microphone 13 which is physically disposed on one or both of the auditory cups 10, 11 and which, by the intermediary of a first amplifier 29, is electrically connected to the control unit 15. A second sound source consists of a radio unit 16 with an antenna 27. The radio unit 16 is electrically connected to the control unit 15. After adjustment of the balance using the first group of buttons 18, 18', the output signal is led from the control unit 15 by the intermediary of a second amplifier 30 to loudspeakers 17 in the auditory cups. The sound from the radio unit 16 and the microphone 13 may also be shut off using a first separate button 21. The control unit 15 is designed such that a brief depression of the first separate button 21 shuts off the radio unit 16. A more lengthy depression of the first separate button 21 shuts off the sound from remaining sound sources as well. When the equipment is activated, a first depression of the button 21 entails that the ambient sound from the microphone 13 is turned on. A second depression of the button will result in the radio sound also being turned on.

For adjusting the sound volume in the loudspeakers 17, a second group of buttons 19, 19' is provided in the button set 14. The sound volume can also be adjusted independently of the balance between the different sound sources. The radio unit 16 is adjustable to different frequencies. In one particular embodiment, the radio unit 16 includes receivers for both conventional broadcast radio and company-linked radio, for example some form of communication radio. Adjustment of the radio unit 16 is put into effect with the aid of a third group of buttons 20, 20' for channel searching, and a second separate button 22 for storing channels.

Fig. 3 shows the outside of the first auditory cup 10, with the button set 14. The button set 14 is disposed in an arched portion in which a first depression, or recess, 23 is provided for the first group of buttons 18, 18'. A similar, second depression or recess 24 is provided for the

second group of buttons 19, 19', and a similar third depression or recess 25 for the third group of buttons 20, 20'. The different buttons in the button set 14 are provided with relief symbols which are unique to each respective button and function. The symbols may be recessed as a groove 5 or project in the form of ridges or the like.

The buttons in the button set 14, above all the button groups, are disposed along circular lines 31 or the like, so that the fingers of one hand of the wearer laid over the button set fall over several of the buttons. As a result, for example the balance between the sound sources may 10 conveniently be adjusted in the above-described manner using, for example, the index finger and the middle finger. The wearer of the headset will readily recognise the different groups of buttons, since the buttons are disposed pairwise in separate depressions or recesses and are provided with the symbols which can be felt by the wearer's fingers. The 15 second separate button 22 is disposed in a fourth depression or recess 26. As a result, this will also be easy to identify and distinguish from the first separate button 21 which, instead, is slightly raised.

Fig. 3 shows the first auditory cup 10 which, in a normal embodiment, constitutes the right-hand auditory cup. The various buttons 20 will, as a result, be easily accessible to the wearer's right hand. A microphone 13 is provided forwardly on the auditory cup 10, and one preferably in the same manner on the second auditory cup 11. This placing of the microphones makes for the reception of sound, above all from in front of the wearer.

Fig. 4 shows the second auditory cup 11 which, in accordance with the foregoing, normally constitutes the left-hand auditory cup. A microphone 13 is also provided on this auditory cup in the same manner as described above. The space which, in the first auditory cup 10, is employed for the button set, and preferably for the different electronic 25 units, is here utilised for a battery unit, of which a lid 32 is visible in Fig. 4.

The present invention should not be considered as restricted to that described above and shown on the Drawings, many modifications being conceivable without departing from the scope of the appended Claims.

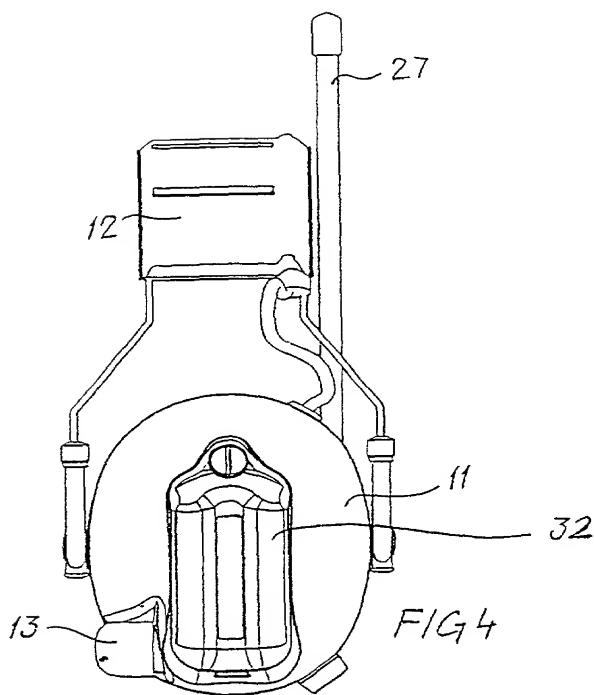
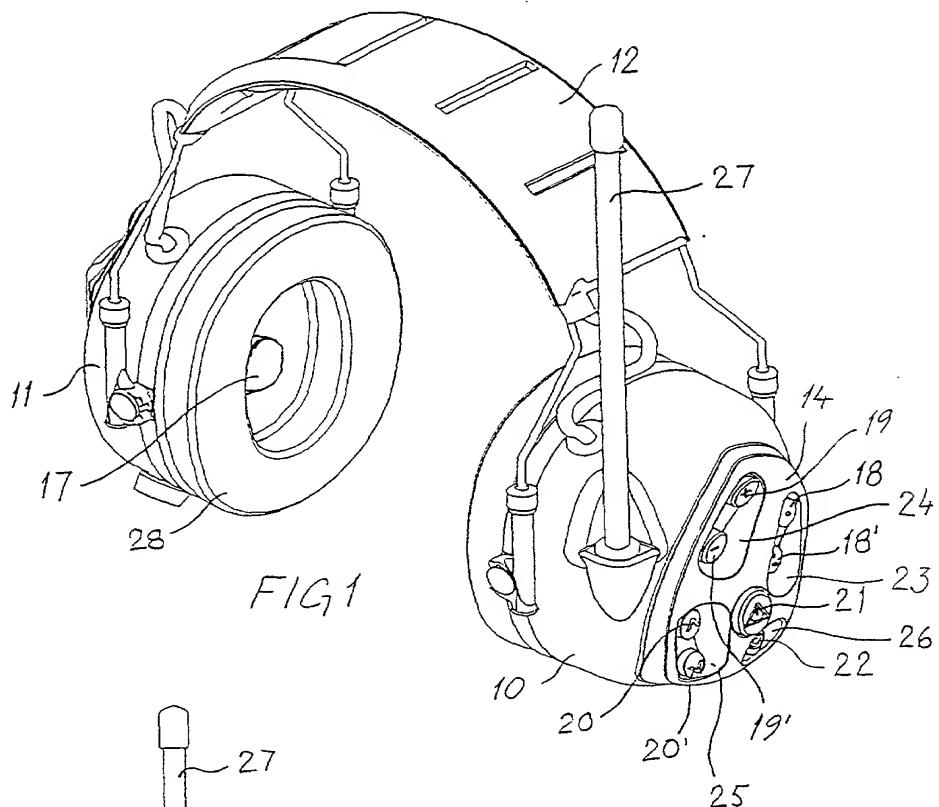
**WHAT IS CLAIMED IS:**

1. An arrangement in hearing protection in the form of an acoustic headset, comprising a first auditory cup (10), a second auditory cup (11) and a stirrup or headband (12) interconnecting the auditory cups (10, 11), a microphone (13) being provided for receiving ambient sound, and an electronic control unit (15) actuatable by a button set (14) being provided for transmitting sound from the microphone (13) and a radio unit (16) by the intermediary of loudspeakers (17) in the auditory cups (10, 11),  
5 characterized in that the button set (14) comprises a plurality of associated buttons (18, 18'; 19, 19'; 20, 20'; 21; 22) arranged in groups; and that each group of buttons, for activation by means of the fingers of the wearer, is disposed in a separate depression or recess (23, 24, 25, 26) in the first auditory cup (10).  
10
- 15 2. The arrangement as claimed in Claim 1, wherein a first group of buttons (18, 18') is connected to the control unit (15) for adjusting the volume relationship between sound from the radio unit (16) and sound from the microphone (13), and wherein the control unit (15) is designed to permit limited reduction of the sound from the microphone (13) to a lowest level audible to the wearer.  
20
- 25 3. The arrangement as claimed in Claim 1, wherein the buttons (18, 18'; 19, 19'; 20, 20'; 21; 22) are provided with symbols in relief indicating the function of the buttons.  
25
- 30 4. The arrangement as claimed in Claim 1, wherein the depressions or recesses (23, 24, 25, 26) are disposed in an arched surface on the first auditory cup (10), and wherein at least the depressions or recesses displaying a plurality of buttons, together with the buttons disposed therein, are disposed along a curved path adapted to the length of the wearer's fingers.  
35
- 35 5. The arrangement as claimed in Claim 2, wherein a first separate button (21) is connected to the control unit (15) for shutting off sound from the radio unit (16) and the microphone (13), respectively, and

wherein the control unit (15) is operative, on a brief depression of the first separate button (21), to shut off sound from the radio unit (16) and, on a more lengthy depression, to shut off sound from both the radio unit (16) and the microphone (13).

24-08-1999

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AMENDED SHEET

WO 99/12385

PCT/SE98/01459

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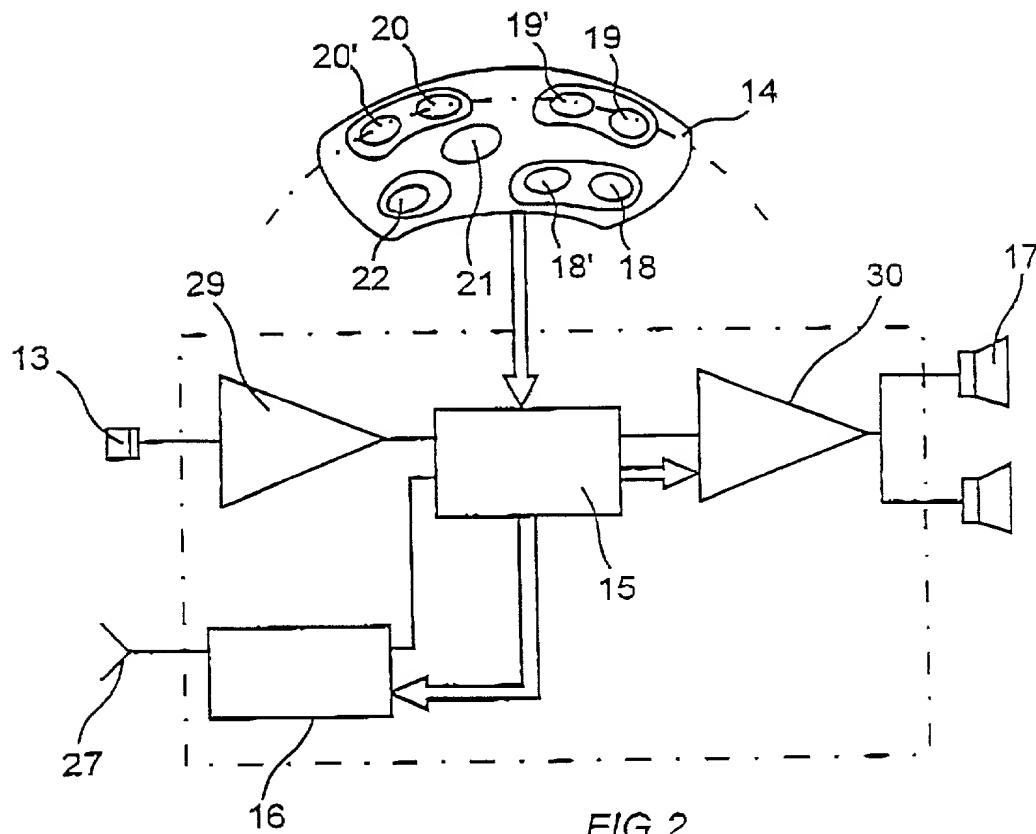
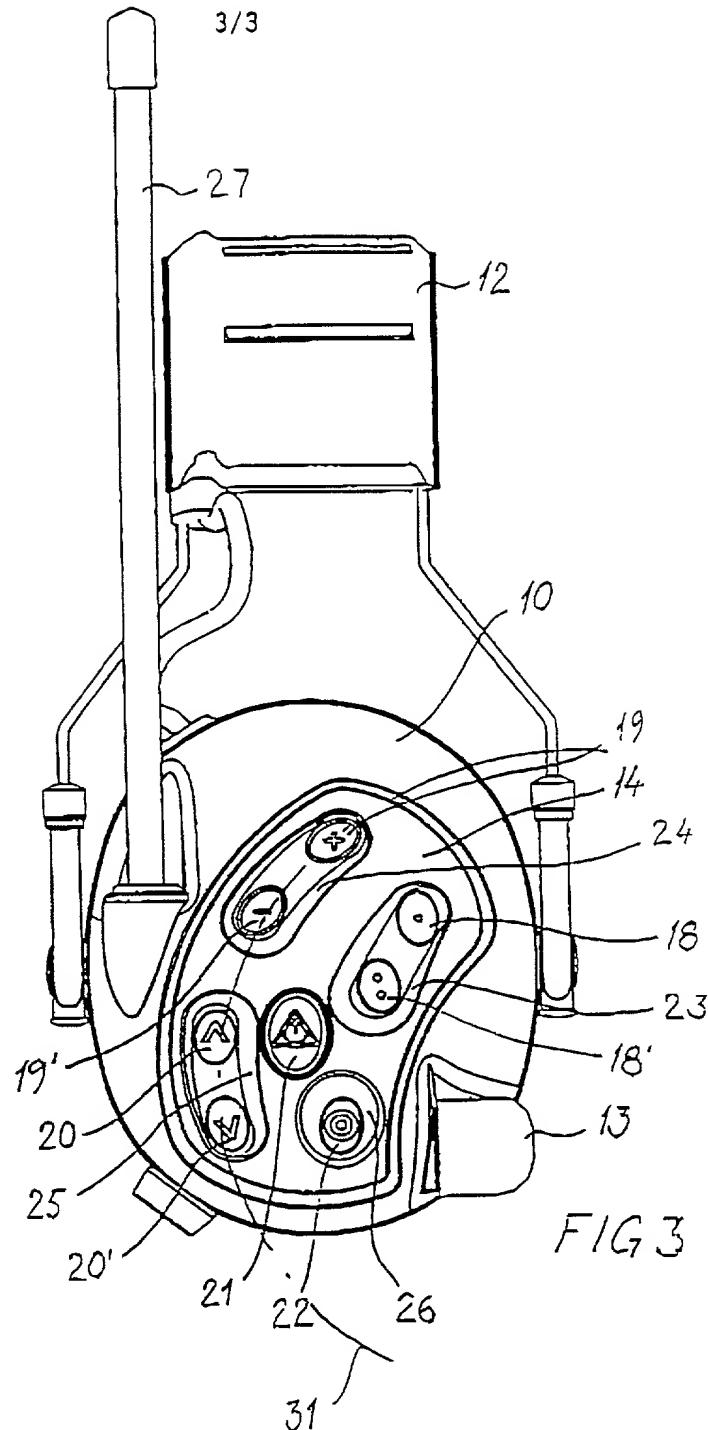


FIG 2

WO 99/12385

PCT/SE98/01459



**PATENT**Attorney's Docket No. 00-148

**COMBINED DECLARATION AND POWER OF ATTORNEY**  
**(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,**  
**CONTINUATION OR CIP)**

As a below named Inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is of the following type: (check one applicable item below)

- original
- design
- supplemental

**NOTE:** If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do not check next item; check appropriate one of last three items.

- national stage of PCT

**NOTE:** If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP.

- divisional
- continuation
- continuation-in-part (CIP)

**INVENTORSHIP IDENTIFICATION**

**WARNING:** If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole Inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**


---

An arrangement in acoustic headsets

---

**SPECIFICATION IDENTIFICATION**

the specification of which: (complete (a), (b) or (c))

- (a)  is attached hereto.
- (b)  was filed on \_\_\_\_\_ as  Serial No. 0 / \_\_\_\_\_  
or  Express Mail No., as Serial No. not yet known \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).
- (c)  was described and claimed in PCT International Application No.  
PCT/SE98/01459 filed on August 12, 1998 and as  
amended under PCT Article 19 on August 23, 1999 (if any).

(Declaration and Power of Attorney [1-1]—page 1 of 5)

**ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information

- which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

(also check the following items, if desired)

- and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent, and
- in compliance with this duty there is attached an information disclosure statement in accordance with 37 CFR 1.98.

**PRIORITY CLAIM (35 U.S.C. § 119)**

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT International application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT International application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

(complete (d) or (e))

- (d)  no such applications have been filed.  
 (e)  such applications have been filed as follows.

*NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.*

**A. PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION  
AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119**

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
Sweden	9702947-4	15 August 1997	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>

(Declaration and Power of Attorney [1-1]—page 2 of 5)

(CAL 58-11/83 Pub.605)

**FORM 1-1**

1-7

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

**NOTE:** If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120.

**POWER OF ATTORNEY**

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Robert H. Bachman (19,374); Gregory P. LaPointe (28,395); Barry L. Kelmachter (29,999); and George A. Coury (34,309)  
all members of the firm Bachman & LaPointe, P.C.

(check the following item, if applicable)

- Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

**SEND CORRESPONDENCE TO**

Gregory P. LaPointe  
Bachman & LaPointe, P.C.  
900 Chapel Street, Suite 1201  
New Haven, CT 06510

**DIRECT TELEPHONE CALLS TO:**  
(Name and telephone number)

Gregory P. LaPointe  
(203) 777-6628

**DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(Declaration and Power of Attorney [1-1]—page 3 of 5)

**SIGNATURE(S)**

NOTE: Carefully Indicate the family (or last) name as it should appear on the filing receipt and all other documents.

**Full name of sole or first Inventor**

Christer

(GIVEN NAME)

Almqvist

FAMILY (OR LAST NAME)

**Inventor's signature****Date**

2000-02-04

Country of Citizenship

Sweden

**Residence**

Brunnsgatan 15B, S-568 30 Skillingaryd, Sweden

**Post Office Address**

same as above

**Full name of second joint Inventor, if any**

(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

FAMILY (OR LAST NAME)

**Inventor's signature****Date**

Country of Citizenship

**Residence****Post Office Address****Full name of third joint Inventor, if any**

(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

FAMILY (OR LAST NAME)

**Inventor's signature****Date**

Country of Citizenship

**Residence****Post Office Address****Full name of fourth joint Inventor, if any**

(GIVEN NAME)

(MIDDLE INITIAL OR NAME)

FAMILY (OR LAST NAME)

**Inventor's signature****Date**

Country of Citizenship

**Residence****Post Office Address**

(Declaration and Power of Attorney [1-1]—page 4 of 5)

(Rev.58-11/93 Pub.605)

**FORM 1-1****1-9****CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION**

- Signature for third and subsequent joint inventors. *Number of pages added*  
\* \* \*
- Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. *Number of pages added*  
\* \* \*
- Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. *Number of pages added*  
\* \* \*
- Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time (37 CFR 1.47).  
\* \* \*
- Added pages to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (C-I-P) application.  
 *Number of pages added* 2
- Authorization of attorney(s) to accept and follow instructions from representative.  
\* \* \*

*(If no further pages form a part of this Declaration, then end this Declaration with this page and check the following item:)*

- This declaration ends with this page.

**35 USC 119 PRIORITY CLAIM, IF ANY, FOR ABOVE LISTED U.S./PCT  
APPLICATIONS**

ABOVE APPLICATION NO.	DETAILS OF FOREIGN APPLICATION FROM WHICH PRIORITY CLAIMED UNDER 35 USC 119		
	Country Application No.	Date of filing (day, month, year)	Date of issue (day, month, year)
1. 9702947-4	Sweden	15/08/97	
2.			
3.			
4.			
5.			
6.			

(Added Page to Combined Declaration and Power of Attorney for Divisional, Continuation or CIP Application [1-2.1]—page 2 of 2)

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION**

*(complete this part only if this is a divisional, continuation or CIP application)*

**CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120**

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to the examination of this application, namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:					
U.S. APPLICATIONS			Status (Check one)		
U.S. APPLICATIONS	U.S. FILING DATE		Patented	Pending	Abandoned
1. 0 / _____					
2. 0 / _____					
3. 0 / _____					
PCT APPLICATIONS DESIGNATING THE U.S.					
PCT APPLI-CATION NO.	PCT FILING DATE	U.S. SERIAL NOS. ASSIGNED (if any)			
4. PCT/SE98/01459	August 12, 1998		X		
5. _____					
6. _____					

(Added Page to Combined Declaration and Power of Attorney for Divisional, Continuation or CIP Application [1-2.1]—page 1 of 2)